

## HIGH AVAILABILITY DATA REPLICATION OF SMART LARGE OBJECTS

### Abstract of the Disclosure

In a database, a high availability data replicator (28, 46, 48) synchronizes primary and secondary servers (10, 30). A smart large object application program interface (82) resides on the secondary server (30). A cache module (108) creates a memory cache (88) corresponding to a smart large object responsive to a smart large object read operation requested by a client (86). A smart large object read module (110) executes the read operation without acquiring a lock on the corresponding smart large object. An exception module (102) sends an exception to the client (86) responsive to a synchronizing event of the high availability data replicator (28, 46, 48) modifying said smart large object. On the primary server (10), log entries of the modifying operation are ordered so that a log entry updating a large object header of said smart large object is consistent immediately upon execution on the secondary server (30).